

Water Sample Identification From Manhole #180:

1. Project 235, Sample A
Sample Date: Friday, October 5, 1990, 1100 hours
Composite Sample from water pumped 10-5-90 for PCB's
2. Project 239, Sample B
Sample Date: Tuesday, October 9, 1990, 1430 hours
Composite Sample from water pumped 10-9-90 and 10-10-90
for PCB's
3. Project 235, Sample No. 10-5
Sample Date: Thursday, October 11, 1990
 - a. Second composite of water pumped on 10-5-90 to verify
no PCB's of upper layer in drums sedate for 6 days
 - b. Composite sample for Southwest Wastewater Treatment
Plant parameters
4. Project 239, Sample No. 10-9, 10-10
Sample Date: Friday, October 12, 1990
Composite Sample from water pumped on 10-9-90 and 10-10-
90 for Southwest Wastewater Treatment Plant parameters.

2700 W. Walnut

TSD Laboratories

Transportation Services Division of
Day & Zimmermann, Inc.
1612 North Lexington Avenue • Springfield, Missouri 65802
417-864-8924 FAX: 417-864-4337 BN: 8-864-3175

UPON FUTURE CORRESPONDENCE
REFER TO REPORT NUMBER

Material WASTE WATER Test Report No D-6605-E
Manufacturer _____ Address _____
Purchase Order No. 6842 File No. 02-066 Specification _____
Date Sample Submitted OCTOBER 10, 1990 Date Sample Received OCTOBER 10, 1990

Analysis of a waste water sample, as identified below, received from Sunbelt Industrial Services.

Sample Identification Project 235
S. W. Bell
Sample A
10-5-90, 1100 hours

PCB content, Method 8080, ppb* Not detected, < 1

*Parts per billion

cc: Sunbelt Industrial Services
P.O. Box 469 GMF
Springfield, MO
Attention: Lori Young

FAX 831-6258

2700 W. Walnut

①

Prepared by: R. E. Hackley

Approved by:  Date: October 11, 1990

LABORATORY MANAGER



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UPON FUTURE CORRESPONDENCE
REFER TO REPORT NUMBER

Material WASTE WATER Test Report No D-6605-D
Manufacturer _____ Address _____
Purchase Order No. 6842 File No. 02-066 Specification _____
Date Sample Submitted OCTOBER 10, 1990 Date Sample Received OCTOBER 10, 1990

Analysis of a waste water sample, as identified below, received from Sunbelt Industrial Services.

Sample Identification Project 239
S. W. Bell
Sample B
10-9-90, 1430 hours

PCB content, Method 8080, ppb* Not detected, <1

*Parts per billion

cc: Sunbelt Industrial Services
P.O. Box 469 GMF
Springfield, MO
Attention: Lori Young

FAX 831-6258

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Prepared by: R. E. Hackley
Approved by: W. H. [Signature] Date: October 11, 1990
LABORATORY MANAGER

TSD Laboratories

Transportation Services Division of
Day & Zimmermann, Inc.
1612 North Lexington Avenue • Springfield, Missouri 65802
417-864-8924 FAX: 417-864-4337 BN: 8-864-3175

UPON FUTURE CORRESPONDENCE
REFER TO REPORT NUMBER

Material WASTE WATER Test Report No D-6760-D
Manufacturer _____ Address _____
Purchase Order No. 6843 File No. 02-Sunbelt Specification _____
Date Sample Submitted OCTOBER 12, 1990 Date Sample Received OCTOBER 12, 1990

Analysis of a waste water sample, as identified below, received from Sunbelt Industrial Services.

Sample Identification	Sample No. 10-5 Project No. 235 S. W. Bell 10-11-90
PCB Content, ppm*	Not detected, <0.001
pH	6.2
Oil and grease, ppm	21.8
Metals (Total):	
Cadmium, ppm	0.17
Chromium, ppm	0.01
Copper, ppm	0.10
Lead, ppm	0.08
Nickel, ppm	0.07
Zinc, ppm	0.79

* Parts per million

cc: Sunbelt Industrial Services
Attention: Ms. Lori Young
FAX 831-6258

2700 W. Walnut

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Prepared by: R. E. Hackley / Dr. J. Bohanon

Approved by: *R. E. Hackley* Date: October 15, 1990
LABORATORY MANAGER

Sample Identification Sample No. 10-9, 10-10
Project No. 239
S. W. Bell
10-12-90

pH 7.1

Oil and grease, ppm* 2.4

Metals (Total):

Cadmium, ppm	0.01
Chromium, ppm	Not detected, <0.01
Copper, ppm	0.01
Lead, ppm	0.11
Nickel, ppm	0.04
Zinc, ppm	0.31

* Parts per million

cc: Sunbelt Industrial Services
Attention: Ms. Lori Young
FAX 831-6258

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Prepared by: R. E. Hackley / Dr. J. Bohanon

Approved by: *R. E. Hackley* Date: October 15, 1990
LABORATORY MANAGER

2700 W. Walnut

Water Sample From Manhole 180A for PCB's

1. Project 240, Sample No. 180A1
Sample Date: Friday, October 12, 1990
Water sample from manhole 180A for PCB's
2. Project 240, Sample No. 180A2
Sample Date: Thursday, October 11, 1990
Water sample from manhole 180A for Southwest Wastewater
Treatment Plant parameters

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Transportation Services Division of
Day & Zimmermann, Inc.
1612 North Lexington Avenue • Springfield, Missouri 65802
417-864-8924 FAX: 417-864-4337 BN: 8-864-3175

UPON FUTURE CORRESPONDENCE
REFER TO REPORT NUMBER

Material **WASTE WATER** Test Report No **D-6760-B**

Manufacturer _____ Address _____

Purchase Order No. 6843 File No. 02-Sunbelt Specification _____

Date Sample Submitted OCTOBER 12, 1990 Date Sample Received OCTOBER 12, 1990

Analysis of a waste water sample, as identified below, received from Sunbelt Industrial Services.

Sample Identification Sample No. 180A2
Project No. 240
S. W. Bell
10-11-90

pH 7.0

Oil and grease, ppm* Not detected, <1.0

Metals (Total):

Cadmium, ppm	0.05
Chromium, ppm	0.01
Copper, ppm	0.02
Lead, ppm	0.04
Nickel, ppm	0.06
Zinc, ppm	0.76

* Parts per million

cc: Sunbelt Industrial Services
Attention: Ms. Lori Young
FAX 831-6258

Prepared by: R. E. Hackley / Dr. J. Bohanon

Approved by: *M. H. Melgar* Date: October 15, 1990

LABORATORY MANAGER

2700 W. Walnut ①

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Day & Zimmermann, Inc.
1612 North Lexington Avenue • Springfield, Missouri 65802
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UPON FUTURE CORRESPONDENCE
REFER TO REPORT NUMBER

Material WASTE WATER Test Report No D-6760-A
Manufacturer _____ Address _____
Purchase Order No. 6843 File No. 02-Sunbelt Specification _____
Date Sample Submitted OCTOBER 12, 1990 Date Sample Received OCTOBER 12, 1990

Analysis of a waste water sample, as identified below, received from Sunbelt Industrial Services.

Sample Identification Sample No. 180A1
Project No. 240
S. W. Bell
10-12-90, 1100 hrs.
PCB Content, ppm* Not detected, <0.001

* Parts per million

cc: Sunbelt Industrial Services
Attention: Ms. Lori Young
FAX 831-6258

2700 W. Walnut

Prepared by: R. E. Hackley / Dr. J. Bohanon

Approved by:  Date: October 15, 1990

LABORATORY MANAGER

4178316258 SUNBELT INDUSTRIAL

141 P01 OCT 15 '90 16:13

G.L. Morris Enterprises
dba

SUNBELT INDUSTRIAL SERVICES
P.O. BOX 469 GMF
SPRINGFIELD, MO 65801
(417) 831-5052

TO: Randy Lyman

FROM: Loi Young

NUMBER OF PAGES FOLLOWING THIS COVER PAGE: _____

COMMENTS: Letter requesting discharge followed by test results for 180A.
We have received approval from Bob Krager with
PMMA in diff. city to pump directly from
manhole # 180A. Were lined up to pump tomorrow morning
Don't 180 test results will be forwarded before progressive cut down.



Sunbelt Industrial Services

A C. I. Morris Enterprises, Inc. Company

October 15, 1990

Randy Lyman
Springfield Department of Public Works
830 Boonville Avenue
Springfield, Missouri 65802

RE: Request to discharge approximately 5,530 gallons of
water to the S.W. Wastewater Treatment Plant.

Dear Mr. Lyman:

Sunbelt Industrial Services is providing this letter on
behalf of Southwestern Bell Telephone.

Manhole walls located on the 2700 block of West Walnut were
found to have been contaminated with an oil/tar material
showing 97 ppm PCB's. During a heavy period of rainfall, a
cable within manhole #180 developed an air leak. Due to this
leak, it was imperative that the rainwater be pumped into
drums to relieve the water pressure. The water was pumped on
October 5, 9 and 10th.

Analyzed composite samples from these drums show no
detectible quantities of PCB's <1.0 ppb. These samples were
also tested for the Southwestern Wastewater Treatment Plant
parameters and passed all discharge limitations. There are
42- 55 gallon drums of water that we will deliver to the
Southwest Wastewater Treatment Plant via German Septic Tank
service.

Also, manhole #180A (westwardly downgradient from manhole
#180) contains approximately 3,000 gallons of water. Sample
results show no detectible PCB's <1.0 ppb, coinciding with
passing discharge parameters.

2700 W. Walnut



At this time we are waiting on approval from EPA for direct pumping from the manhole 180A. To allow job progression, the water will be pumped into drums.

If there are any questions, or if you need more information, please call me at 831-5062.

Sincerely,

Lori Young

Lori Young
Environmental Sales Technician

LY:md

2700 W. Walnut

Material WASTE WATER Test Report No. D-6760-A
Manufacturer _____ Address _____
Purchase Order No. 6843 File No. 02-Sunbelt Specification _____
Date Sample Submitted OCTOBER 12, 1990 Date Sample Received OCTOBER 12, 1990

Analysis of a waste water sample, as identified below, received from Sunbelt Industrial Services.

Sample Identification	Sample No. 180A1 Project No. 240 S. W. Bell 10-12-90, 1100 hrs.
PCB Content, ppm*	Not detected, <0.001

* Parts per million

Sunbelt Industrial Services
Attention: Ms. Lori Young
FAX 831-6258

2700 W Walnut

Prepared by R. E. Hackley / Dr. J. Bohanon

Approved by: [Signature] Date: October 15, 1990

LABORATORY MANAGER

Material: WASTE WATER Test Report No. D-6760-B
Manufacturer: _____ Address: _____
Purchase Order No. 6843 File No. 02-Sunbelt Specification: _____
Date Sample Submitted: OCTOBER 12, 1990 Date Sample Received: OCTOBER 12, 1990

Analysis of a waste water sample, as identified below, received from Sunbelt Industrial Services.

Sample Identification: _____ Sample No. 180A2
Project No. 240
S. W. Bell
10-11-90

pH: _____ 7.0

Oil and grease, ppm*: _____ Not detected, <1.0

Metals (Total):

Cadmium, ppm	0.05
Chromium, ppm	0.01
Copper, ppm	0.02
Lead, ppm	0.04
Nickel, ppm	0.06
Zinc, ppm	0.76

* Metals per EPA 8230

Sunbelt Industrial Services
Attention: Ms. Lori Young
FAX 417-864-8924

2700 W. Walnut

Prepared by: J. Mackley / Dr. J. Bohanon

Approved by:

[Signature]

Date: October 15, 1990

LABORATORY MANAGER

PCB shows up in Walnut Street manhole

Contaminant's source still undetermined

By Robert Keyes
The News-Leader

Hazardous waste workers continued Tuesday to look for the source of PCB — a cancer-causing substance — discovered in a Southwestern Bell Telephone manhole last month.

About 1,000 gallons of water were pumped from the manhole — located in the 2700 block of west Walnut Street near the intersection of Scenic Avenue — on Friday and then again Tuesday.

On Friday an oily residue pumped out contained a PCB (polychlorinated biphenyl) content of about 97 parts per million, said Mark Walker, Southwestern Bell area manager of community relations.

The minimum PCB level allowed before the Environmental Protection Agency is notified is 50 parts per million, he said. The source of the contaminant is undetermined, but Walker said it did not originate from his company.

"There's a service station across the street and one of their storage tanks (possibly containing a petroleum product) leaked in January," Walker said. "We cannot substantiate the contaminants came from there ... but we're certain our cable and its conduit cannot cause PCB, at least that's what we're told by our specialists," he said.

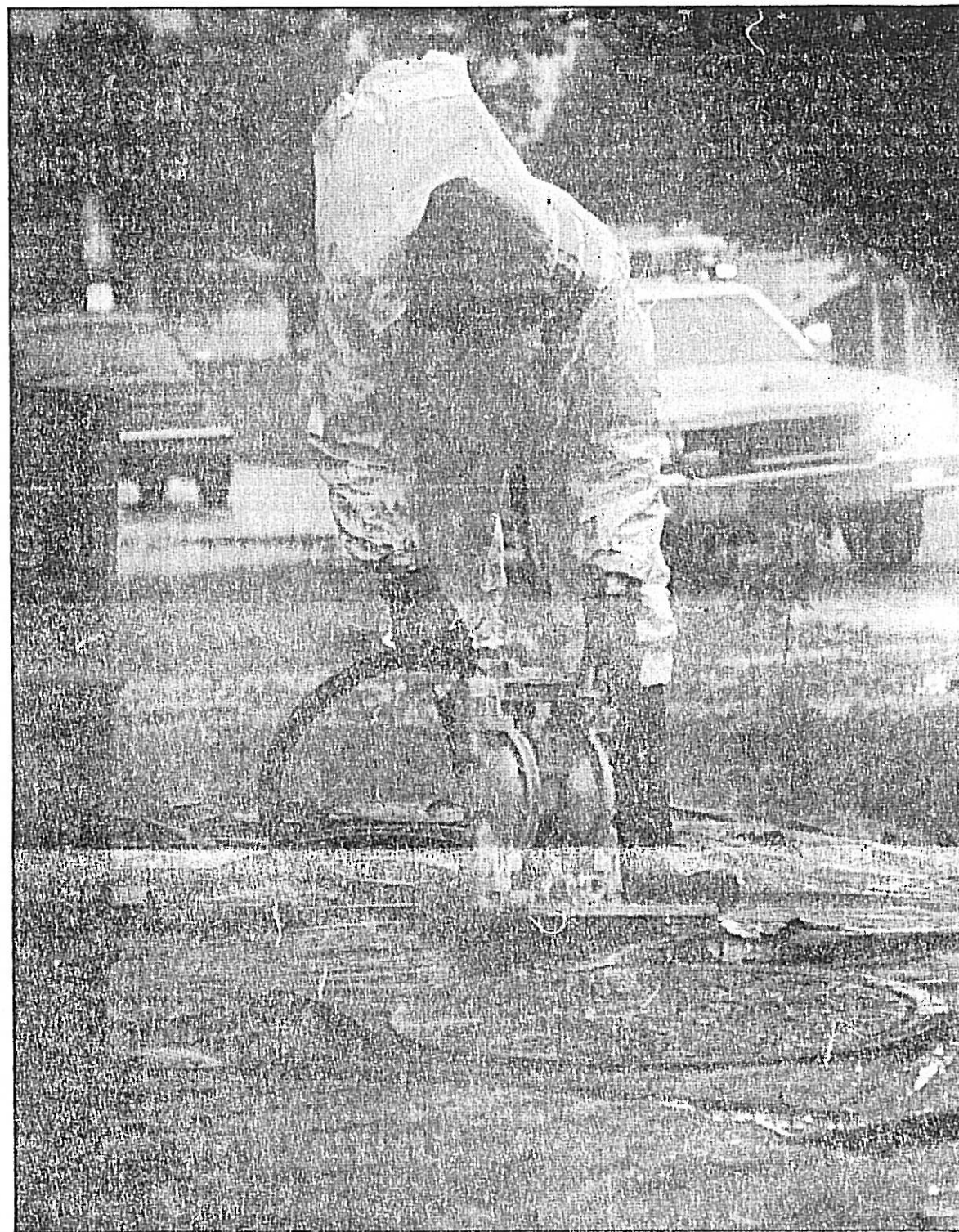
Missouri Department of Natural Resources spokesman Scott Holste said PCB can come from old electrical pole transformers or possibly waste oil. Holste said there could be other sources.

Sunbelt Industrial Services of Springfield has been working on the cleanup for Southwestern Bell, said Lori Young, an environmental technician with Sunbelt.

The company was notified three weeks ago after a Southwestern Bell maintenance worker noticed a strange odor and a substance floating in water during a routine check of the manhole last month, Walker said.

He didn't enter the manhole but notified company officials who called officials from DNR and Sunbelt, added Walker.

The manhole extends westward



Mike Wingo/The News-Leader

An unidentified worker with Sunbelt Industrial Services of Springfield works Tuesday to pump water from a Southwestern Bell manhole in the 2700 block of West Walnut Street.

but is closed off from another manhole that is located a couple hundred feet to the west, Walker said.

That manhole also will be checked next week for possible contamination, Young said. Officials noticed a brownish water in that manhole, but apparently no

contaminants have been discovered, Walker said.

Water pumped Tuesday from the first manhole contained mainly rain water, Young added. There were no apparent petroleum residues pumped Friday and little or no traces of PCB, she said.

Meanwhile, Walker said he was concerned that a crack in a phone cable in that manhole could create problems for up to 900 telephones if not repaired. However, workers will not enter the manhole until it is certain they will not be exposed to contaminants, he said.

